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		Application Number	10/646,682
		Filing Date	08/22/2003
		First Named Inventor	Dennis S. Fernandez
		Art Unit	1631
		Examiner Name	DEJONG, ERIC S
Sheet	1	of	13
		Attorney Docket Number	FERN-P013

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	1	LENNARD et al. "Congenital Thiopurine Methyltransferase Deficiency and 6-Mecaptopurine Toxicity During Treatment for Acute Lymphoblastic Leukemia,"	
		Arch. Dis. Child. (1993) Volume 69, pp. 577-579.	
	2	SAFFO, PAUL. "Sensors: The Next Wave of Infotech Innovation. Institute of the Future," 1997. pp. 115-122	
	3	MECHKOUR. M. et al. Prime – GC, "A Medical Information Retrieval Prototype of the Web, " 1997 IEEE. BP 53 38041, Grenoble Cedux 9, France.	
	4	GRIGBY et al., "Telemedicine: Where it is and where it's going," 1998 Annals of Internal Medicine. 1998. Vol 129(2) p. 123-126	
	5	Executive Summary 1998, Institute for the Future. Health Care Horizons Report. 1998 p. 1-6	
	6	GANGULY, PRONAB et al., "Telemedicine over enterprise – wide networks: a case study, 1998 IEEE, p. 1297-1302	
	7	PAVLOPOULOS, S. et al., "Design and Development of a web-based hospital information system, IEEE 1998. p. 1188-1191	
	8	LONG, R. et al. "Understanding Individual Variations in Drug Responses: from Phonotype to Genotype." NIGMS (online) 1998	
		[Retrieved on 6-27-2002] Retrieved from the internet: <URL: http://nigms.nih.gov/news/reports/pharmacogenetics.html >	

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	9	"Pharmacogenetics in Patient Care." AACC (online) 1998. [Retrieved on 7-20-2002] Retrieved from the Internet: <URL: http://www.aacc.org/pharmacogenetics/ >	
	10	FERRATT, THOMAS et al., Surmounting Health Information Network Barriers; the greater Dayton area experience. Health Care Management 1998 p.70-76 (Aspen Publishers, Boston)	
	11	"What is Pharmacogenetics?" Impact (online). June 99 [Retrieved on 06-27-2002] Retrieved from the Internet: <URL: http://uscf.edu/foundation/impact/archives/1999/17-pharmacog.h >	
	12	ATALAY, BESIN et al. HIVPCES: A www-based HIV Patient Care Expert System, IEEE. 1999 p. 214-219	
	13	BAKER, DIXIE et al. "A Design for Secure Communication of Personal Health Information Via the Internet." Medical Informatics 1999 Vol. 54 p. 97-104 (ELSEVIER, Amsterdam)	
	14	MALAMATENIOU, F. et al., "A search engine for virtual patient record." Medical Informatics. 1999 Vol. 55. p. 103-115. (ELSEVIER, Amsterdam).	
	15	AIZAWA, MASUO et al. Protein Engineering for Biosensors. Protein Engineering in Industrial Biotechnology, p. 246-265 (Harwood Academic Publishers, 2000 Italy.)	
	16	MENDIBLE, JUAN. C., "Pharmacogenomics: Medicines Tailored Just for You," (online 2000. Retrieved from the Internet: <URL: http://www.suite101.com/print_article >	
	17	JING KONG, NATHAN R. FRANKLIN, CHONGWU ZHOU, MICHAEL G. CHAPLINE, SHU PENG, KYEONGJUE CHO, HONGJER DUI, "Nanotube Molecular Wires as Chemical Sensors"	
		Science Mag. (online) Jan. 28, 2000 [Retrieved on 05-27-2002] Retrieved from the Internet: <URL: http://sciencemag.org >	

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Sheet 3

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	18	DAVIS, ALLISON. "NIH effort to Understand How Genes AFFECT People's responses to Medicines. "NIGMS (online) 2000.	
		[Retrieved on 06-27-2002] Retrieved from the Internet: <URL: http://www.nigms.nih.gov/news/releases/pharmacogenetics.html >	
	19	THOMPSON, CHERYL. "NIH starts pharmacogenetics network." AMERICAN SOCIETY of Health Systems Pharmacists (online) 2000. [Retrieved on 7-20-2002]	
		Retrieved from the Internet: <URL: http://www.org.nigms.nih.gov/news/releases/pharmacogenetics.html >	
	20	LATHROP, J. et al., "Health Cares New Electronic Marketplace." Strategy Business. 1999 Vol. 19 p. 34-43	
	21	RICHARDS, JOY "Nursing in a Digital Age," Nursing Economics 2001 vol. 19 (1) p. 6-34.	
	22	HENSLEY, SCOTT et al., "Next Milestone in Human Genetics," The Wall Street Journal, May 26, 2000. p. B1	
	23	GULCHER, JEFFRY et al., "The Icelandic Healthcare Database and Informed Consent," The New England Journal of Medicine, June 2000 Vol. 342 (24) p. 1-5	
	24	IDEKKER, TREY et al., "A New Approach to Decoding Life: Systems Biology," Annul. Rev. Genomics Hum. Gen. 2001 Vol. 2 p. 343-372	
	25	"The Power of Pharmacogenetics: TPMT, DNA Sciences Laboratories. (online) 2002. Retrieved from the Internet: URL://www.DNASciences.com	

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	26	HOLLON, TOM. "The Making of the Pharmacogenomic Prescription." Geneletter (online) 2001. [retrieved on 6-27-2002]	
		Retrieved from the Internet: <URL: www.geneletter.com/01-02-01/features >	
	27	KHOURY, MUIN et al., "Will Genetics Revolutionize Medicine?" Geneletter (online) 2001. [retrieved on 06-27-2002]	
		Retrieved from the Internet: <URL: www.geneletter.com/01-02-01/features >	
	28	KHOURY, M. et al., "Pharmacogenomics & Public Health: The Promise of Targeted Disease Prevention." CDC (online) 2001.	
		[Retrieved from the Internet: <URL: http://www.cdc.gov/genomics/info/factshts/html >	
	29	WALSH, BARBARA." Genotyping for prescriptions underutilized." Geneletter (online) 2001. [retrieved on 06-27-2002] Retrieved from the Internet: <URL http://www.geneletter.com >	
	30	LIPP, ELIZABETH. Pharmacogenetics Research & Methodologies. Genetic Engineering News. 2001 vol. 21 (4) p.21-26	
	31	DAVIS, ALISON, et al. "Pharmacogenetics Research Network & Knowledge Base." Pharmacogenomics 2001. Vol. 2 (3) p. 285-289	

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Sheet 5

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	32	"Pharmacogenomics: Finding the Competitive Edge in Genetic Variation," Cambridge Health Institute (online) 2001 [retrieved on 06-27-2002]	
		Retrieved from the Internet: <URL: http://www.chireports.com/content/reports/toc/printpage/asp?R/pharmacogenomics01.toc.AS >	
	33	"Pharmco-Genetics: Finding the Right Medicine for each Patient." DNA Sciences. (online) 2002. [retrieved on 7-20-2002] Retrieved from the Internet: <URL: http://www.ppgx.com >	
	34	"Pharmacogenomics." Human Genome Project Information.(online) 2002. [retrieved on 08-27-2002] Retrieved from the Internet: <URL: http://www.ornl.gov/hgmis/medicine/pharma/html >	
	35	"The Good of Small Things," Science and Technology (online) 2001. [retrieved on 1-11-2002] Retrieved from the Internet: <URL: http://www.economist.com >	
	36	"Veri Chip" Datasheet from applied digital solutions corp. (online) 2001. [retrieved on 2001-12-19] Retrieved from the Internet: URL: http://www.adsx.com/verichip/verichip/html	
	37	JOHNSON, COLIN, "Smart Sensors Extend Web Scale," EE Times (online) 2201. [retrieved on 12-19-2001] Retrieved from the Internet: <URL: http://www.eet.com >	
	38	SADEE WOLFGANG et al. "Genetic Variations in Human G-Protein-coupled receptors: Implications for Drug Therapy." AAPS Pharmaceutical (online) 2001. [retrieved on 06-27-2002] Retrieved from the Internet:<URL: http://www.pharmasci.org/scientificjournals/pharmasci/journal/01-22.html >	
	39	ALDRIGE, SUSAN "Customizing Drugs to Individual Genetic Profiles." Genetic Engineering News 2001. Vol. 21(14) p.30	

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	40	"Genomics and Its Impact on Medicine and Society" U.S. Department of Energy Human Genome Program, 2001. Produced by the Human Genome Management Information System P.1-12	
	41	"Categories of Pharmacogenetic Knowledge" Datasheet from pharmGKB (online) 2002 [retrieved on 06-27-2002]	
		Retrieved from the Internet: <URL:http://www.servesessionid-24A5Etomcat?id >	
	42	LOUD, JENNIFER et al. Applications of Advances in Molecular Biology and Genomics to Clinical Cancer Care. Cancer Nursing 2002 vol. 25(2) p.110-122	
	43	"As the Science Succeeds, Patients Benefit" UCSD Center for Pharmacogenomics (online) 2002 [retrieved on 06-27-2002]	
		Retrieved from the Internet: <URL: http://www.pharmacy.ucsf.edu/cpg/whatis/>	
	44	"Technology Forecasts," Batelle. (online) 2002 [retrieved on 7-27-2002] Retrieved from the Internet: <URL: http://www.battle.org/forecasts/technology2020.stm>	
	45	SCATIMEL, BRUNO. "Biosensors and Protepmics" vLifeScience (online) 2002 [retrieved from the Internet:<URL: http://www.vLifeScience/com/au>	
	46	MURRAY, CHARLES. "Injectable Chips Opens Door to 'Human Bar Code.' EETIMES (online) 2002. [retrieved on 01-04-2002. Retrieved from the Internet: <URL: http://eet.com>	

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	47	"IBM Mayo Clinic to Collaborate on Worldwide Medical Database" SiliconValley/com (online) 2002 [retrieved on 03-25-2002]	
		Retrieved from the Internet: <URL: http://www.siliconvalley.com >	
	48	HAMILTON, DAVID P. Custom Tailored Medicine. The Wall Street Journal. Mar 25. 2002 p. B1.	
	49	"Huge British gene bank gets \$65 Million go-ahead" SiliconValley.com (online) 2002. [retrieved on 04-29-2002] Retrieved from the Internet: <URL: http://www.siliconvalley.com >	
	50	STIKEMAN, ALEXANDER. "Make the Diagnosis." Technology Review (online) 2002. [retrieved on 05-23-2002] Retrieved from the Internet: <URL: http://www.techonologyreview.com >	
	51	OHR, STEVEN. "Sensors seen enabling new-age services." EETimes (online) 2002. [retrieved on 06-05-2002] Retrieved from the Internet: <URL: http://www.eet.com >	
	52	STIKEMAN, ALEXANDER. "The State of Biomedicine" Technology Review (online) 2002. [retrieved on 6-5-2002]	
		Retrieved from the Internet: <URL: http://technologyreview.com/articles/stateof >	
	53	"The Ethics of Patenting DNA." The Nuffield Council on Bioethics 2002. The Nuffield Foundation (London, England)	
	54	"Technology shapes tomorrow's digital hospital." EETimes (online) 2002 [retrieved on 07-05-2002] Retrieved from the Internet: <URL: http://www.eet.com >	

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	56	ROSTLER, SUZANNE. "Study finds drug errors common in U.S. Hospitals." Reuters (online) [retrieved on 09-09-2002] Retrieved from the Internet: www.reuters.com>	
	57	JOHNSON, COLIN: "Synthesis of Nanoparticles Coming into Focus." EETimes (online) 2002. [retrieved on 7-17-2002] Retrieved from the Internet:< URL: http://www.eet.com>	
	58	PHILIPKOSKI, KRISTEN. "BiochipLDiagnosis in a Pinch."Wired News (online) 2002. [retrieved on 7-18-2002] Retrieved from the Internet:< URL: http://www.wired.com>	
	59	"Wyeth Updates Product Labels for its Postmenopausal Hormone Therapies." Wyeth Corp. (online) [retrieved on 09-06-2002]	
		Retrieved from the Internet:< URL: http://www.wyeth.com/news/press>	
	60	PEARSON, HELEN. "At Home DNA Tests Are here." The Wall Street Journal. June 25. 2002. p. D6	
	61	JOHNSON, COLIN. "Silicon Nanoparticles Eyed for Chemical Detection." EETimes(online) 2002.[retrieved on 9-9-2002]Retrieved from the Internet: <URL: http://www.eetc.com >	
	62	VELOSO, MARIO et al. "From Hospital Information System Components to the Medical Record & Clinical Guidelines & Protocols."	
	63	Medical informatics Europe '97. 1997 p.300 (IOS, Amsterdam)	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/646,682
Filing Date	08/22/2003
First Named Inventor	Dennis S. Fernandez
Art Unit	1631
Examiner Name	DEJONG, ERIC S
Attorney Docket Number	FERN-P013

Sheet 9

of

13

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	64	"Emerging Infections and Potential Bioterrorist Agents." UAB(online) 2001 [retrieved on 01-07-2002]	
		Retrieved from the Internet: <URL: http://www.bioterrorism.uab.edu/emerging%20infection >	
	65	MILLER, KRISTA et al. "I3C Tech Architecture." I3C (online) [retrieved in 2002] Retrieved from the Internet: <URL: http://www.I3C.org >	
	66	DRAETTA, GIULIO and BOISCLAIR, MICHAEL. Molecular Bioscreening in Oncology 2002. p. 356-367	
	67	"Cancer Bioinformatics Infrastructure Objects (caBio)" National Cancer Institute Center for Bioinformatics (online) 2002 [retrieved on 2002]	
		Retrieved from the Internet: <URL: http://www.ncicb.nih.gov/core/caBio >	
	68	"Will pharmacogenomics revolutionize clinical trials?" Datamonitor (online) 2002. [retrieved on 2002]	
		Retrieved from the Internet: <URL: http://www.datamonitor.com~3573982C452997011c20a~/home >	
	69	"Bioinformatics glossary." Genomic Glossaries (online) 2002. Retrieved from the Internet: <URL: http://www.genomicglossaries.com/content/printpage.asp?REF=/bioinf >	
	70	"The new word in designer drugs." Bmj(online) 1998 [retrieved on 8-27-02] Retrieved from the Internet: <URL: http://www.bmj.com/cgi/content/full/316/7149/1930 >	

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Attorney Docket Number	FERN-P013

Sheet 10

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	71	"Commercialization-Putting our discoveries to work." DNA Sciences (online) 2002. [retrieved on 07-20-02]	
		Retrieved from the Internet: <URL: http://www.ppgx.com/sciencediscovery.jsp?site=dna&link=commercialization >	
	72	"Phillip Launches software to pinpoint cancer," Reuters (online) [retrieved on 10-10-02] Retrieved from the Internet: <URL: http://www.reuters.com >	
	73	"Biosensors/Transducer technology." Stanford Biodesign (online) 2002. [retrieved on 9-12-02] Retrieved from the Internet: <URL http://www.stanford.edu/group/biodesign/technic	
	74	"Exact sciences issued Patent for Novel Method of Detecting Mutation." EXACT SCIENCES (online) 2002. [retrieved on 9-19-02]	
		Retrieved from the Internet: <URL: http://www.exactsciences.com/about/press_releases/exact&sciences&issued&parent&for&novel&method >	
	75	"Metabolomics in Biotech: A revolutionary tool to optimize the production of new leads." TNO pharma (online) 2002 [retrieved on 4-11-02]	
		Retrieved from the Internet: <URL: http://www.pharm.t >	
	76	"I3C Technical Meeting Agenda." I3C Consortium (online) 2002. [retrieved on 10-14-02] Retrieved from the Internet: <URL: http://www.I3C.org/mtg/past.asp >	
	77	"I3C Backgrounder." I3C Consortium (online) 2002. [retrieved on 10-14-02] Retrieved from the Internet: <URL: http://www.I3C.org/html/i3c_backgrounder.html >	

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		Examiner Name	DEJONG, ERIC S
Sheet	11	of	13
		Attorney Docket Number	FERN-P013

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	78	NEUMANA, ERIC et al. "I3C Pathways." I3C Consortium (online) 2002. [retrieved on 10-14-02] Retrieved from the Internet: <URL: http://www.i3c.com >	
	79	O'reilly Bioinformatics Technology Conference I3C Consortium (online) 2002 [retrieved on 10-14-02] Retrieved from the Internet: <URL: http://www.i3c.org >	
	80	ABATE, TOM. "Proofreading the Human Genome." The San Francisco Chronicle. October 7, 2002. p.E1.	
	81	WILLING, RICHARD. "DNA Testing Fails to Live up to Potential." USA TODAY. 2002. p.1A	
	82	"Comparisons of Mutagenesis Kits." Stratagene Corporation. Advertisement 2002	
	83	LESKO, LJ. Et al. "Pharmacogenomic-guided drug development: regulatory perspective." The Pharmacogenomics Journal 2002 (2) p.20-24	
	84	SANNES, LUCY. "High Content Screening: Parallel Analysis Fuels Accelerated Discovery and Development".	
		CHI Reports, 2002. Cambridge Healthtec Institute, Newton Upper Falls, MA.	
	85	LANDRO, LAURA. "Doctors need computerized offices." The Wall Street Journal. Sept 5, 2002. pp. D4, Dow Jones & Company, New York, NY.	
	86	Merriam Webster Online Dictionary "Join" http://www.merriam-webster.com/dictionary/join .	

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		Examiner Name	DEJONG, ERIC S
Sheet 12 of 13	Attorney Docket Number		FERN-P013

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	87	DxS Limited, Manchester M13 9xx United Kingdom. "Clinical, Diagnostic and Research Services" (06-20-2003). Retrieved from the Internet: <URL: http://www.dxsgenotyping.com >.	
	88	DxS Limited, Manchester M13 9xx United Kingdom. "SNPs-Primed and Ready to Glow: Pharmacogenomic services enabled by Scorpions™" (06-20-2003). Retrieved from the Internet: <URL: http://www.dxsgenotyping.com >.	
	89	KRISHNAN, S. et al., "A Multimedia-based Medical Database Network System for Special Clinical Procedures in Healthcare Delivery", IEEE/EMBS, Oct 30-Nov 2, 1997. Chicago IL	
	90	LITTLE, STEPHEN, "Strategic options for delivering pharmacogenomic tests to the patient." GOR, FEB 25, 2002, Vol. 4, No. 1, Manchester UK	
	91	KK JAIN. "Applications of Biochip and Microarray Systems in Pharmacogenomics." Pharmacogenomics (2000) Vol. 1 No. 3, p. 289-307	
	92	VANDERLUBBE, R.P., "Flexible Electronic Patient record: first results from a dutch hospital," Medical Informatics Europe '97, 1997. p.246-251 (IOS, Amsterdam)	
	93	GENSET, "Business Opportunities Pharmacogenomics: The Science of the Drug Response Genes" (2002). Retrieved from the Internet: <URL: www.genxy.com/business/bus_pharmaco.html >.	
	94	BERNADETTE, TANSEY, "Power Tools for the Gene Age," San Francisco Chronicle, 02-07-2005. E.	
	95	WINSLOW, RON; MATHEWS, ANNA W., "New Genetic Tests Boost Impact of Drugs." Wall Street Journal, 12-21-05, p. D1	

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	96	SHARAPOV, ILYA, "Computational Applications for Life Sciences on Sun Platforms: Performance Overview," Market Development Engineering, Sun Microsystems, Inc. November 2001.	
	97	"SNPs & other Genetic Variations Glossary." Genomic Glossaries (online) [retrieved on 8-27-02] Retrieved from the Internet: <URL: http://www.genomicglossaries.com >	
	98	"Pharmacogenomics: Medicine & the New genetics." Human Genome Project Information 2002. www.ornl.gov/hgmis/medicine/pharma.html US Dept. of Energy, Oakridge, TN.	
	99	CHANG, CHEN. "BLAST Implementation on BEE2," Electrical Engineering and Computer Science, Univ. of Cal. Berkeley (2004).	
	100	JACOBI, RICARDO P., et al., "Reconfigurable Systems for Sequence Alignment and for General Dynamic Programming," Genet. Mol. Res. 4(3):543-552 (09-30-2005).	
	101	"Couple". Merriam Webster Online Dictionary. Retrieved from the Internet: <URL: http://www.merriam-webster.com/dictionary/join >.	
	102	MA, XIAO-JUN., et al., "Gene expression profiles of human breast cancer progression." PNAS (online) 11-9-2002. [retrieved on 07-1-09]	
		Retrieved from the Internet: <URL: http://www.pnas.org/content/100/10/5974.abstract >	

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